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No. 6110

May 26, 1891 — May 11, 1896

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THE
TWENTY-SECOND ANNUAL REPORT
OF THE
BOARD OF DIRECTORS
OF THE
ZOOLOGICAL SOCIETY
OF PHILADELPHIA.

(INCORPORATED MARCH 21ST, 1859.)

READ AT THE ANNUAL MEETING OF THE MEMBERS AND LOAN-
HOLDERS OF THE SOCIETY.

APRIL 26th, 1894.

PHILADELPHIA :
ALLEN, LANE & SCOTT, PRINTERS,
229-231-233 South Fifth Street.
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THE

ZOOLOGICAL SOCIETY OF PHILADELPHIA.

OFFICE, FAIRMOUNT PARK.

OFFICERS FOR THE YEAR ENDING APRIL 25th, 1895.

PRESIDENT,
CHARLES PLATT.

VICE-PRESIDENTS:
J. VAUGHAN MERRICK, CHARLES W. TROTTER.

CORRESPONDING SECRETARY,
PROF. HENRY C. CHAPMAN.

RECORDING SECRETARY,
HENRY T. COATES.

TREASURER,
WILLIAM HACKER.

DIRECTORS:

WILLIAM H. MERRICK,	CHRISTIAN C. FEBIGER,
ISAAC J. WISTAR,	DAVID W. SELLERS,
FRANCIS T. FASSITT,	SAMUEL G. DIXON, M. D.,
GALLOWAY C. MORRIS,	J. BAYARD HENRY,
FRANCIS W. LEWIS, M. D.,	JAMES B. LEONARD,
CHARLES M. LEA,	HARRY B. TYLER.

ACTUARY,
CHARLES L. JEFFERSON.

SUPERINTENDENT OF THE GARDEN,
ARTHUR ERWIN BROWN.

SOLICITORS:
SAMUEL WAGNER, WM. W. MONTGOMERY.

REPORT

OF THE

BOARD OF DIRECTORS.

PHILADELPHIA, 26th April, 1894.

The Board of Directors of the Zoological Society of Philadelphia submit to the members and loan certificate-holders their Twenty-second Annual Report of the operations of the Society covering the year ending 28th February, 1894.

MEMBERS.

The number of members on the 1st of March, 1894, was—

Annual members	403
Life members	1,347
Corresponding members	9
Honorary members	20
Perpetual members	258
	<hr/>
Total members (exclusive of loan-holders)	2,037
	<hr/> <hr/>

The following is a report in detail of the admissions and receipts for the year :—

Adults (paying at gates)	129,959
Children (paying at gates)	49,366
Members (including Life and Annual Members, loan-holders' annual, and complimentary annual tickets)	2,100
Loan-holders' single tickets	18,145
Free admissions (charitable institutions, donors' tickets, &c.)	2,021
Coupon tickets	554
Excursion tickets	13,404
	<hr/>
	215,549
	<hr/> <hr/>

Monthly Record of Visitors for 1893-94, with corresponding account for 1892-93.

MONTH.	1892-93.	1893-94.	COMPARISON.
March	6,344	8,110	Increase . . 1,766
April	18,279	17,686	Decrease . . 593
May	28,043	27,608	" . . 435
June	20,047	19,352	" . . 695
July	32,478	31,711	" . . 767
August	32,794	26,634	" . . 6,160
September	39,458	29,020	" . . 10,438
October	31,082	17,333	" . . 13,749
November	10,883	16,485	Increase . . 5,602
December	6,888	9,501	" . . 2,613
January	3,341	6,787	" . . 3,446
February	4,674	5,322	" . . 648
	234,311	215,549	Decrease . . 18,762

Average daily admissions 591

The greatest number of visitors on any one day was

on Thursday, November 30th 5,486

Monthly Record of Receipts from Admissions for 1893-94, with corresponding account for 1892-93.

MONTH.	1892-93.	1893-94.	COMPARISON.
March .	\$918 64	\$1,503 90	Increase . . \$585 26
April . .	2,554 74	2,810 66	" . . 255 92
May . .	3,836 26	3,743 76	Decrease . . 92 50
June . .	2,669 17	2,727 68	Increase . . 58 51
July . .	4,222 65	4,795 67	" . . 573 02
August .	4,375 58	3,743 46	Decrease . . 632 12
September	5,198 70	3,756 06	" . . 1,442 64
October .	4,001 51	2,585 53	" . . 1,415 98
November	1,526 25	1,996 29	Increase . . 470 04
December	1,014 08	1,207 64	" . . 193 56
January .	519 93	1,009 92	" . . 489 99
February,	750 25	834 19	" . . 83 94
	\$31,587 76	\$30,714 76	Decrease . . \$873 00

Average daily receipts from admissions \$84 15
 The largest amount of receipts at the gates on any
 one day was on Tuesday, July 4th 899 95

Total Receipts on the several days of the week, and their respective averages for 1893-94.

RANK.	DAYS.	TOTAL RECEIPTS.	AVERAGE.
1	Sunday	\$11,445 49	\$220 11
2	Saturday	5,585 25	107 41
3	Tuesday	3,367 45	64 76
4	Thursday	2,971 20	57 14
5	Monday	2,924 43	56 24
6	Wednesday	2,284 33	43 10
7	Friday	2,136 61	41 09
		\$30,714 76	

Although the income of the Society from admissions has suffered from the depression and poverty prevalent during the eight months following midsummer, the previous year was one of such marked depression in the affairs of the Society that a comparison of the receipts alone does not fully indicate the serious condition which it has been necessary for your Board to meet.

The available resources having been for the most part exhausted in providing for the large deficit shown in the previous report, the present year was entered upon with the knowledge that it was the most critical period in the history of the Society. An effort was made early in the summer to raise a fund by private subscription to meet the deficit which was almost certain to result from the year's operations. This met with little success; before an amount sufficient to secure its object had been raised, the development of the financial troubles of the year put an end to all subscriptions and thereby to all hope of saving the Garden by private means. At this hopeless juncture the Commissioners of Fairmount Park, impressed with the importance

of preserving the Garden situated upon a portion of the ground under their care, determined to ask from the City Councils a sum of \$10,000 for purposes of maintenance, in addition to the \$5000 which has for several years been appropriated for betterments of that portion of the Park. This sum was promptly granted by Councils, the Zoological Society placing in the hands of the Board of Education fifty thousand tickets for free admission of pupils of the public schools to the Garden. In the opinion of your Board this liberal and broad-minded action has alone prevented the closing of the Garden and the dispersal of the collection; and it is difficult to express in ordinary language the gratification which must be felt by every member of the Society that after a struggle of twenty years to build up and establish the Garden, their labors have finally received the measure of approbation accorded to them during the past year by the universal sentiment of the people of the city and by their representatives in the City Councils.

This appropriation did not become available until after the close of the fiscal year, and the immediate pressure of decreased receipts was partly met by measures of economy so stringent as to be permissible only as temporary expedients, and the deficit was thereby reduced to \$3127.04.

The expenditure of the \$5000 appropriated for permanent improvements is stated in the report of the Superintendent.

The thanks of the Board are due to all friends of the Society, both private and public, who have come to its aid in substantial manner during this critical period.

By order of the Board,

HENRY T. COATES,

Secretary.

APPENDIX A.

INCOME AND EXPENDITURES.

For fiscal year ending March 1st, 1894.

INCOME.

Members fees and dues	\$835 00	
Admission receipts	30,714 76	
Rents at Garden (and arrears)	1,800 00	
Interest, discount, &c.	1,626 01	
Sundry receipts	783 80	
Sale of guide-books	114 75	
Special relief fund	1,791 25	
		<u>\$37,665 57</u>

EXPENDITURES.

(Exclusive of Permanent Improvements, &c.)

Salaries and wages	\$18,624 00	
Office expenses	292 00	
General expenses	18,418 61	
		<u>\$37,334 61</u>
Estimated loss and depreciation on animals	3,458 00	
		<u>\$40,792 61</u>
Balance to debit of profit and loss for year	3,127 04	
		<u>\$37,665 57</u>

CAPITAL.

Receipts and expenditures for the year ending March 1st, 1894.

RECEIPTS.

Sales of animals	\$400 00	
Received from the city of Philadelphia through the Commissioners of Fairmount Park	5,000 00	
Legacy, estate of John L. Neill, deceased	1,700 00	
Legacy, estate of George S. Pepper, deceased	2,250 00	
Life memberships	100 00	
Add the following amount charged to profit and loss for estimated loss by death and deprecia- tion of animals	3,458 00	
		<u>\$12,908 00</u>

EXPENDITURES.

Purchase of animals	\$3,740 00	
Horticulture	29 50	
Vulcanite walks	1,193 50	
Iron work (bear pen, hawk and bird cages) . . .	1,956 00	
Iron railing (duck pond)	295 32	
Stone work (bear pen)	820 00	
Fencing	380 03	
Skylights in elephant-house	350 00	
Balance, being excess of receipts over invest- ments of capital and carried to profit and loss .	4,143 65	\$12,908 00

• WILLIAM HACKER,

Treasurer.

Examined and found correct,

GALLOWAY C. MORRIS,

HENRY T. COATES,

Committee on Audit.

APPENDIX B.

To the Board of Directors of the Zoological Society :

GENTLEMEN:—I have the honor to submit to you my report for the year ending 28th February, 1894.

On that date the collection in the Garden of the Society contained specimens, in number and estimated value, as follows:—

227 Mammals	\$39,692 00
418 Birds	4,258 00
236 Reptiles and Amphibians	945 00
<hr/> 881	<hr/> \$44,895 00

The total number of accessions of all classes during the year was:—

MAMMALS:—

Purchased and exchanged	23
Presented	40
Bred in the Garden	19
	<hr/> 82

BIRDS:—

Purchased and exchanged	60
Presented	55
Bred in the Garden	20
	<hr/> 135

REPTILES:—

Purchased and exchanged	236
Presented	158
Bred in the Garden	16
	<hr/> 410

AMPHIBIANS:—

Purchased and exchanged	9
Presented	3
	<hr/> 12
	<hr/> 639

The long continued stagnation of business interests which has prevailed throughout this country and Europe has been deeply reflected upon the affairs of the Society, not only in its finances but in the additions to its menagerie as well. The lessened ability to purchase caused by diminished income; the small stocks offered for sale by dealers and a proportional falling off in the presentation of animals have resulted in a smaller number of new additions than is usually the case. Happily, the death list for the year has not been large and the standard of the collection has not been seriously impaired.

Among the arrivals which were for the first time exhibited, are the following:—

A pair of black partridges (*Francolinus vulgaris*) from India, purchased March 28th.

A pair of Chapman's zebras (*Equus burchelli chapmani*) purchased March 29th. This zebra appears to have an extensive range in central Africa, but is not very satisfactorily distinguished from Burchell's zebra, the chief point of difference being in the striping of the legs almost down to the hoofs, although not as distinctly as in the southern form, *Equus zebra*, now almost extinct, from which it also differs in color. The muzzle seems finer than in either of the related species. Two angulated tortoises (*Testudo angulata*) from north Africa, were received at the same time.

Mr. Harold Hanauer, of London, to whose kindness the Society has been indebted for numerous foreign reptiles, contributed two specimens of the long-nosed viper (*Viper ammodytes*), a venomous species found in portions of eastern and southern Europe and in Africa. These valuable specimens reached the Garden on the 15th of June, and still survive in excellent condition.

A giant tree-frog (*Hyla maxima*) of South America was presented on the 13th July by Mr. R. S. Cills, of Philadelphia. This species is one of the largest of the *Hylidæ*.

A hyacinthine macaw (*Ara hyacinthina*) was received from Brazil on the 22d July.

Mr. Manuel Mosquera presented, in the same month, one

example of the rare Guayaquil parrakeet (*Brotogerys pyrrhopterus*).

On the 18th of August Mr. F. Moesler brought from Europe his usual collection of birds and reptiles for the Garden. Among them on this occasion were a kite (*Milvus iclinus*) of Europe, a New Zealand parrakeet (*Cyanorhamphus novæ-zealandiæ*), five tessellated snakes (*Tropidonotus tessellatus*), and one vivacious snake (*Tarbophis vivax*) of Europe.

Two red-headed weaver birds (*Quelea quelea*) from Africa were purchased in October.

A young agouti from Cartagena, Colombia, presented in November by Mr. L. B. Vrooman, Jr., probably belongs to *Dasyprocta variegata* Tschudi.

Other interesting specimens received were three examples of the beautiful horn snake (*Farancia abacura*), procured by Mr. Clarence B. Moore, of Philadelphia, while engaged in the excavation of Indian mounds in Florida. A pair of ring-tailed bassaris (*Bassarid astuta*) from Texas, purchased from a dealer, were the first of these interesting animals which have been in the Garden since 1875.

Captain George K. Hunter, Third United States Cavalry, presented at different times during the summer specimens of Berlandier's tortoise and the Western diamond rattlesnake from Encinal County, Texas, and a fine specimen from Oklahoma of the western green form of the black snake, *Bascanium constrictor* (*B. flaviventris* of authors). A young male tapir (*Tapirus terrestris*) was purchased in May to complete a pair, the female having been in the menagerie for some years.

On May 7th the Hon. William M. Bunn contributed an interesting dog of a breed raised by the Ainos of Japan. These people, believed to be a remnant of the aborigines of that country, still inhabit the northern portion of the island of Jesso, and are stated by ethnologists to be the most hairy tribe known. The peculiarly dense coat of hair covering this dog would seem to indicate that consciously or not, these people have followed the principle indulged

by more civilized races, in breeding their domestic animals according to their own standards of beauty.

A female Sika deer (*C. sika*); an ashy-black macaque monkey (*Macacus ochreatus*); a second specimen of the rare snake (*Stilosoma extenuata*), previously known only by the type specimen received from Florida by the Society in 1892; and two plantain squirrels (*Sciurus badging*) from Java, presented by Mrs. A. R. Durkee, were all welcome additions.

Mr. Clement A. Griscom made a valuable donation of a pair of alpacas and a South American sheep.

In November, the liberal kindness of a number of friends of the Society secured for its collection a fine male orang-utan, some seven or eight years old, which had occupied a conspicuous place among the attractions of the Java Village at the Chicago Exhibition. The Society's head-keeper was sent to bring the animal to the Garden, and notwithstanding the lateness of the season and the cold weather which prevailed, the excellent facilities which the Pennsylvania Railroad Company liberally placed at the Society's disposal permitted the journey to be made without injury to the animal, and he has proved to be one of the most signal successes which have ever been placed in the Garden. In fact his popularity was exceeded, if at all, only by that of the chimpanzees "Adam" and "Eve" which reached the Garden in May, 1878, and were the first of the higher apes ever procured by the Society. In general, orangs are characterized by extreme stolidity and sluggish demeanor; the specimen in question, however, is lively and active and on occasions when a crowd of spectators is present he is rarely at rest throughout the day.

The animals bred in the Garden were as follows:—
1893.

Mar. 25. 1 Bactrian Camel (*Camelus bactrianus*).

April 25. 6 Prairie Wolves (*Canis latrans*).

May 15. 1 Common Deer (*Cariacus virginianus*).

" 31. 7 Ring-necked Pheasants (*Phasianus torquatus*).

May	31.	2	Reeves' Pheasants (<i>P. reevesi</i>).
"	"	1	Amherst Pheasant (<i>Thaumalea amherstiae</i>).
June	3.	1	Fallow Deer (<i>Cervus dama</i>).
"	"	1	Common Deer (<i>C. virginianus</i>).
"	"	3	Golden Pheasants (<i>Thaumalea picta</i>).
"	5.	1	American Elk (<i>C. canadensis</i>).♂
"	7.	5	Amherst Pheasants (<i>T. amherstiae</i>).
"	8.	1	Fallow Deer (<i>C. dama</i>).
"	12.	1	American Elk (<i>C. canadensis</i>).♀
"	21.	"	" " " ♂
"	28.	"	" " " ♂
July	15.	2	Red-headed Ducks (<i>Fuligula ferina</i>).
Aug.	3.	1	Ground Rattlesnake (<i>Crotalophorus mliarius</i>).
"	10.	1	Llama (<i>Lama peruana</i>).♂
Sept.	26.	1	Bison (<i>Bison americanus</i>).
"	"	1	Hog Deer (<i>C. porcinus</i>).
Oct.	1.	15	Water Snakes (<i>Tropidonotus sipedon</i>).
1894.			
Feby.	25.	1	Axis Deer (<i>C. axis</i>).

The necessity for strict economy has required a postponement even of urgently needed repairs, and no new work has been done during the year except that provided for by the portion of the Society's resources which can be used only for permanent improvements. By this means several structures have been supplied which materially add to the facilities and appearance of the Garden. A large pen of stone and iron has been erected close by the old bear pits and is at present occupied by the pair of Himalayan bears and the Indian jungle bear, which for some years past have been unsuitably quartered in the outside enclosures of the south wing of the Carnivora House. Two pairs of large iron cages for birds of prey have been placed at the southern end of the grounds, with the intention of extending the series at some future time.

A number of old structures, originally intended to be temporary, but which for years have disfigured the Garden, have finally disappeared to make room for spacious cages of

iron and wire, chiefly intended for the reception of birds. A series of large skylights, introduced into the western slope of the roof of the Elephant House, much promotes the welfare of both animals and visitors. A new fence has been placed around the buffalo enclosures and the digging of a series of small ponds in a piece of ground lying between the lake and the lower seal pond, which has been enclosed by a rat-proof fence, supplies a long felt need for suitable protection for fancy water-fowl. These ponds will be completed and stocked during the coming spring and will form one of the most attractive spots in the Garden.

The decrease in revenue during the last half of the year, which the Society suffered in common with all organizations not depending upon fixed incomes, made necessary a more than ordinary economy in the operation of the Garden and the expenses were reduced to a point which could not long be maintained without developing evidences of decay.

The coming season, it is hoped, will be sufficiently favorable to permit the complete restoring of the standard which the Society have always desired to maintain.

Respectfully,

ARTHUR ERWIN BROWN,

Superintendent.

ZOOLOGICAL GARDEN, March 1st, 1894.



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